

CLAIMS

We claim:

- 1 1. A method comprising:
2 receiving a sequence of image data to compress; and
3 specifying scalar quantization with a power of two step size using
4 three bit values to apply to the sequence of image data.
- 1 2. The method defined in Claim 1 further comprising:
2 coding bitplanes specified for application of the scalar quantization.
- 1 3. The method defined in Claim 2 wherein non-specified bit
2 planes are not coded.
- 1 4. The method defined in Claim 1 wherein the three bit values
2 specify whether to a number of bit planes to truncate.
- 1 5. The method defined in Claim 1 wherein the three bit values
2 specify 0, 1, 2, 3, 4, 5, 6, or all bit planes for truncation.

1 6. The method defined in Claim 1 wherein specifying scalar
2 quantization comprises specifying scalar quantization for individual frames
3 of a motion video sequence.

1 7. The method defined in Claim 6 wherein the video sequence
2 comprises a motion JPEG 2000 Standard video sequence.

1 8. The method defined in Claim 1 further comprising writing the
2 three bit values to a controller to cause the controller to control compression
3 hardware.

1 9. An apparatus comprising:
2 means for receiving a sequence of image data to compress; and
3 means for specifying scalar quantization with a power of two step
4 size using three bit values for the compressed data.

1 10. The apparatus defined in Claim 9 further comprising means
2 for coding bitplanes specified for application of the scaler quantization.

1 11. The apparatus defined in Claim 9 wherein non-specified bit
2 planes are not coded.

1 12. The apparatus defined in Claim 9 wherein the three bit values
2 specify whether to a number of bit planes to truncate.

1 13. The apparatus defined in Claim 9 wherein the three bit values
2 specify 0, 1, 2, 3, 4, 5, 6, or all bit planes for truncation.

1 14. The apparatus defined in Claim 9 wherein specifying scalar
2 quantization comprises specifying scalar quantization for individual frames
3 of a motion video sequence.

1 15. The apparatus defined in Claim 14 wherein the video sequence
2 comprises a motion JPEG 2000 Standard video sequence.

1 16. The apparatus defined in Claim 9 further comprising writing
2 the three bit values to a controller to cause the controller to control
3 compression hardware.

1 17. An apparatus for compressing image data comprising:
2 a controller to specify scalar quantization with a power of two step
3 size using three bit values to be applied to the image data; and
4 a compressor coupled to the controller to compress a sequence of
5 image data to create compressed data, the compressor comprising a
6 quantizer responsive to the scalar quantization specified by the controller to
7 quantize the image data.

1 18. The apparatus defined in Claim 13 wherein the compressed
2 data is compliant with the JPEG 2000 Standard.

1 19. The method defined in Claim 17 further comprising: coding
2 bitplanes specified for application of the scalar quantization.

1 20. An article of manufacture comprising one or more recordable
2 media having executable instructions stored thereon which, when executed
3 by a machine, cause the machine to:
4 receive a sequence of image data to compress; and

- 5 specify scalar quantization with a power of two step size using three
- 6 bit values for the compressed data.